

# SAFETY DATA SHEET

## 1. Identification

**Material name:** Tremco BIO Prime  
**Material:** 7711650 801

### Recommended use and restriction on use

**Recommended use:** Coatings  
**Restrictions on use:** Not known.

### Manufacturer/Importer/Supplier/Distributor Information

Tremco CPG Inc. - U.S. Roofing  
3735 Green Road  
Beachwood OH 44122  
US

**Contact person:** EH&S Department  
**Telephone:** 216-292-5000  
**Emergency telephone number:** 1-800-424-9300 (US); 1-613-996-6666 (Canada)

## 2. Hazard(s) identification

### Hazard Classification

#### Health Hazards

Toxic to reproduction Category 1B

#### Unknown toxicity - Health

Acute toxicity, oral	11.16 %
Acute toxicity, dermal	11.19 %
Acute toxicity, inhalation, vapor	13.87 %
Acute toxicity, inhalation, dust or mist	11.7 %

### Label Elements

#### Hazard Symbol:



**Signal Word:** Danger

**Hazard Statement:** May damage the unborn child.

**Precautionary Statements**

<b>Prevention:</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.
<b>Response:</b>	IF exposed or concerned: Get medical advice/attention.
<b>Storage:</b>	Store locked up.
<b>Disposal:</b>	Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

**Hazard(s) not otherwise classified (HNOC):** None.

**3. Composition/information on ingredients****Mixtures**

Chemical Identity	CAS number	Content in percent (%)*
1-Methyl-2-pyrrolidinone	872-50-4	1 - <5%
Triethylamine	121-44-8	0.1 - <1%
Dipropylene glycol methyl ether	34590-94-8	0.1 - <1%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**4. First-aid measures****Description of necessary first-aid measures**

<b>Inhalation:</b>	Move to fresh air.
<b>Skin Contact:</b>	Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.
<b>Eye contact:</b>	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.
<b>Ingestion:</b>	Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
<b>Personal Protection for First-aid Responders:</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Most important symptoms/effects, acute and delayed**

<b>Symptoms:</b>	May cause skin and eye irritation.
<b>Hazards:</b>	No data available.

**Indication of immediate medical attention and special treatment needed**

<b>Treatment:</b>	Get medical attention if symptoms occur.
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## 5. Fire-fighting measures

**General Fire Hazards:** No unusual fire or explosion hazards noted.

### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** During fire, gases hazardous to health may be formed.

### Special protective equipment and precautions for fire-fighters

**Special fire-fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** No data available.

**Accidental release measures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

**Methods and material for containment and cleaning up:** Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

**Environmental Precautions:** Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

## 7. Handling and storage

### Handling

**Technical measures (e.g. Local and general ventilation):** Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

**Safe handling advice:** Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Contact avoidance measures:** No data available.

**Hygiene measures:** Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Observe good industrial hygiene practices.

**Storage**

**Safe storage conditions:** Store locked up.

**Safe packaging materials:** No data available.

**8. Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits**

Chemical Identity	Type	Exposure Limit Values	Source
Triethylamine	PEL	25 ppm 100 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
	TWA	0.5 ppm	US. ACGIH Threshold Limit Values, as amended (03 2015)
	STEL	1 ppm	US. ACGIH Threshold Limit Values, as amended (03 2015)
Dipropylene glycol methyl ether	PEL	100 ppm 600 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
	TWA	50 ppm	US. ACGIH Threshold Limit Values, as amended (01 2021)

Chemical name	Type	Exposure Limit Values	Source
1-Methyl-2-pyrrolidinone	TWA	400 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (12 2007)
Triethylamine	STEL	1 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (08 2017)
Triethylamine	TWA	0.5 ppm	Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended (07 2018)
	STEL	1 ppm	Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended (07 2018)
	TWA	0.5 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (08 2017)
Triethylamine	STEL	1 ppm	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (03 2020)
	TWA	0.5 ppm	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (03 2020)
Dipropylene glycol methyl ether	STEL	150 ppm 909 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)
	TWA	100 ppm 606 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017)

Dipropylene glycol methyl ether	TWA	100 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
	STEL	150 ppm	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010)
Dipropylene glycol methyl ether	TWA	100 ppm	Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended (06 2022)
	STEL	150 ppm	Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances (Workers Compensation Board); as amended (06 2022)

### Biological Limit Values

Chemical Identity	Exposure Limit Values	Source
1-Methyl-2-pyrrolidinone (5-Hydroxy-N-methyl-2-pyrrolidone: Sampling time: End of shift.)	100 mg/l (Urine)	ACGIH BEI (03 2013)

### Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

### Individual protection measures, such as personal protective equipment

**Eye/face protection:** Wear goggles/face shield.

### Skin Protection

**Hand Protection:** Additional Information: Use suitable protective gloves if risk of skin contact.

**Skin and Body Protection:** No data available.

**Respiratory Protection:** In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

**Hygiene measures:** Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Observe good industrial hygiene practices.

## 9. Physical and chemical properties

### Appearance

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	clear green
<b>Odor:</b>	Mild
<b>Odor threshold:</b>	No data available.
<b>pH:</b>	8.14
<b>Melting point/freezing point:</b>	No data available.
<b>Initial boiling point and boiling range:</b>	> 99.9 °C > 211.8 °F

<b>Flash Point:</b>	No data available.
<b>Evaporation rate:</b>	Slower than Ether
<b>Flammability (solid, gas):</b>	No
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Flammability limit - upper (%):</b>	No data available.
<b>Flammability limit - lower (%):</b>	No data available.
<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density:</b>	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
<b>Relative density:</b>	1.01
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	Soluble
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.

## 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	No data available.
<b>Conditions to avoid:</b>	Avoid heat or contamination.
<b>Incompatible Materials:</b>	Strong acids. Strong bases.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation:</b>	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
<b>Skin Contact:</b>	Causes mild skin irritation.
<b>Eye contact:</b>	Eye contact is possible and should be avoided.
<b>Ingestion:</b>	May be ingested by accident. Ingestion may cause irritation and malaise.

### Symptoms related to the physical, chemical and toxicological characteristics

**Inhalation:** No data available.  
**Skin Contact:** No data available.  
**Eye contact:** No data available.  
**Ingestion:** No data available.

### Information on toxicological effects

#### Acute toxicity (list all possible routes of exposure)

**Oral**  
**Product:** ATEmix: 171,377.13 mg/kg

**Dermal**  
**Product:**

**Specified substance(s):**  
1-Methyl-2-pyrrolidinone LD 50 (Rat): > 5,000 mg/kg

Triethylamine LD 50 (Rabbit): 580 mg/kg

Dipropylene glycol methyl ether LD 50 (Rabbit): 9,510 mg/kg

**Inhalation**  
**Product:**

**Specified substance(s):**  
1-Methyl-2-pyrrolidinone LC 50 (Rat): > 5.1 mg/l

#### Repeated dose toxicity

**Product:** No data available.

#### Skin Corrosion/Irritation

**Product:** No data available.

**Specified substance(s):**  
1-Methyl-2-pyrrolidinone in vivo (Rabbit): Irritating , 24 - 72 h

Triethylamine in vivo (Rabbit): Corrosive , > 0 - 48 h

#### Serious Eye Damage/Eye Irritation

**Product:** No data available.

**Specified substance(s):**

Dipropylene glycol methyl ether      Rabbit, 24 - 72 h: Not irritant

**Respiratory or Skin Sensitization**

**Product:**      No data available.

**Carcinogenicity**

**Product:**      No data available.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:**

No carcinogenic components identified

**Germ Cell Mutagenicity**

**In vitro**

**Product:**      No data available.

**In vivo**

**Product:**      No data available.

**Reproductive toxicity**

**Product:**      May damage fertility or the unborn child.

**Specific Target Organ Toxicity - Single Exposure**

**Product:**      No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:**      No data available.

**Aspiration Hazard**

**Product:**      No data available.

**Other effects:**      No data available.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**



**Fish****Product:** No data available.**Specified substance(s):**

1-Methyl-2-pyrrolidinone LC 50 (Oncorhynchus mykiss, 96 h): &gt; 500 mg/l Experimental result, Key study

Triethylamine LC 50 (Oryzias latipes, 96 h): 24 mg/l Experimental result, Key study

Dipropylene glycol methyl ether LC 50 (Pimephales promelas, 96 h): &gt; 10,000 mg/l Experimental result, Supporting study

**Aquatic Invertebrates****Product:** No data available.**Specified substance(s):**

Triethylamine LC 50 (Ceriodaphnia dubia, 48 h): 17 mg/l experimental result Experimental result, Key study

Dipropylene glycol methyl ether LC 50 (Daphnia magna, 48 h): 1,919 mg/l experimental result Experimental result, Key study

**Chronic hazards to the aquatic environment:****Fish****Product:** No data available.**Specified substance(s):**

Triethylamine LOAEL (Oncorhynchus mykiss): 3.2 mg/l experimental result Experimental result, Key study

**Aquatic Invertebrates****Product:** No data available.**Specified substance(s):**

1-Methyl-2-pyrrolidinone NOAEL (Daphnia magna): 12.5 mg/l experimental result Experimental result, Key study

Triethylamine NOAEL (Daphnia magna): 11 mg/l experimental result Experimental result, Key study

Dipropylene glycol methyl ether NOAEL (Daphnia magna):  $\geq 0.5$  mg/l experimental result Experimental result, Key study**Toxicity to Aquatic Plants****Product:** No data available.**Persistence and Degradability****Biodegradation****Product:** No data available.**Specified substance(s):**

1-Methyl-2-pyrrolidinone 73 % (28 d) Detected in water. Experimental result, Key study  
Triethylamine 80.3 % Detected in water. Experimental result, Key study  
Dipropylene glycol methyl ether 96 % Detected in water. Experimental result, Key study

**BOD/COD Ratio**  
**Product:** No data available.

**Bioaccumulative potential**  
**Bioconcentration Factor (BCF)**  
**Product:** No data available.

**Specified substance(s):**  
Triethylamine Cyprinus carpio, Bioconcentration Factor (BCF): < 0.5 Aquatic sediment  
Experimental result, Key study

**Partition Coefficient n-octanol / water (log Kow)**  
**Product:** No data available.

**Specified substance(s):**  
1-Methyl-2-pyrrolidinone Log Kow: -0.38  
Triethylamine Log Kow: 1.45

**Mobility in soil:** No data available.

**Other adverse effects:** No data available.

### 13. Disposal considerations

**Disposal methods:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Contaminated Packaging:** No data available.

### 14. Transport information

**TDG:**  
Not Regulated

**CFR / DOT:**  
Not Regulated

**IMDG:**

Not Regulated

## 15. Regulatory information

### US Federal Regulations

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

<u>Chemical Identity</u>	<u>Reportable quantity</u>
1-Methyl-2-pyrrolidinone	De minimis concentration: TSCA 6% Annual Export Notification required.

#### US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

#### CERCLA Hazardous Substance List (40 CFR 302.4):

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Triethylamine	5000 lbs.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

##### Hazard categories

Delayed (Chronic) Health Hazard

Reproductive toxicity

#### US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

Not Regulated.

#### US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting

<u>Chemical Identity</u>	<u>% by weight</u>
1-Methyl-2-pyrrolidinone	1.0%

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

None present or none present in regulated quantities.

#### Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

### US State Regulations

#### US. California Proposition 65



#### WARNING

Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

### International regulations

**Montreal protocol**

Not applicable

**Stockholm convention**

Not applicable

**Rotterdam convention**

Not applicable

**Kyoto protocol**

Not applicable

**VOC:**

Regulatory VOC (less water and  
exempt solvent) : 177 g/l

VOC Method 310 : 2.38 %

**Inventory Status:**

Australia Industrial Chem. Act (AIC):	One or more components in this product are not listed on or exempt from the Inventory.
Canada DSL Inventory List:	One or more components in this product are not listed on or exempt from the Inventory.
Canada NDSL Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Ontario Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
China Inv. Existing Chemical Substances:	One or more components in this product are not listed on or exempt from the Inventory.
Japan (ENCS) List:	One or more components in this product are not listed on or exempt from the Inventory.
Japan ISHL Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Japan Pharmacopoeia Listing:	One or more components in this product are not listed on or exempt from the Inventory.
Korea Existing Chemicals Inv. (KECI):	One or more components in this product are not listed on or exempt from the Inventory.
Mexico INSQ:	One or more components in this product are not listed on or exempt from the Inventory.
New Zealand Inventory of Chemicals:	One or more components in this product are not listed on or exempt from the Inventory.
Philippines PICCS:	One or more components in this product are not listed on or exempt from the Inventory.
Taiwan Chemical Substance Inventory:	One or more components in this

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	product are not listed on or exempt from the Inventory.
US TSCA Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
Switzerland New Subs Notified/Registered:	One or more components in this product are not listed on or exempt from the Inventory.
Thailand DIW Existing Chemical Inv. List:	One or more components in this product are not listed on or exempt from the Inventory.
Vietnam National Chemical Inventory:	One or more components in this product are not listed on or exempt from the Inventory.
EC Inventory:	One or more components in this product are not listed on or exempt from the Inventory.

<b>16. Other information, including date of preparation or last revision</b>
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<b>Revision Date:</b>	06/27/2023
<b>Version #:</b>	1.0
<b>Further Information:</b>	No data available.
<b>Disclaimer:</b>	For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.